

CLAIMS

1 An information carrier comprising at least one information layer which optical
properties depend on a potential difference applied between two electrodes (531, 532), said
5 information carrier being intended to be scanned by an optical scanning device comprising
means for generating a signal comprising information about a selected information layer, said
information carrier comprising means (51) for receiving said signal, means (521) for
decoding said signal and means (522-524) for applying a potential difference between the
electrodes corresponding to the selected information layer.

10 2 An information carrier as claimed in claim 1, wherein the means for applying a
potential difference comprise a battery (523).

3 An information carrier as claimed in claim 1, further comprising an induction coil
(71) for cooperating with means (72) for applying a magnetic flux, located in the optical
scanning device, in order to create an inductive current, the means for applying a potential
15 difference being adapted to apply a potential difference corresponding to said inductive
current between said two electrodes.

4 An information carrier as claimed in claim 1, wherein the receiving means comprise a
photosensitive detector (81) for receiving a radiation from a radiation source (80) located in
the optical scanning device.

20 5 An information carrier as claimed in claim 1, wherein the receiving means comprise
an induction coil (93) for cooperating with electromagnetic means (92), located in the optical
scanning device, in order to create an inductive current inside said induction coil, said
inductive current corresponding to said signal.

6 An information carrier as claimed in claim 1, wherein the receiving means comprise a
25 primary conductor (101) for cooperating with a secondary conductor (103) located in the
optical scanning device and adapted to transfer said signal to said first conductor by means of
capacitive coupling.

7 An information carrier as claimed in claim 1, wherein the receiving means comprise a
RF receiver (111) for receiving a RF signal from a RF transmitter (110) located in the optical
30 scanning device.

8 An information carrier as claimed in claim 1, wherein the receiving means comprise
at least one electrical contact (123) adapted for connecting a connection (122) of a rotating
part (90) of the optical scanning device.

9 An information carrier as claimed in claim 1, wherein the means for decoding the signal comprising information about a selected information layer require the presence of a unique key or password in said signal.

10 A system for scanning information, said system comprising an information carrier as
5 claimed in claim 1 and an optical scanning device comprising a rotating part comprising means for receiving said information carrier and a fixed part comprising means for generating a signal comprising information about a selected information layer.

11 A system as claimed in claim 9, wherein said rotating part comprises means for receiving said signal and sending said signal to a connection adapted for connecting an
10 electrical contact of said information carrier.

12 A system as claimed in claim 9, wherein the means for decoding the signal comprising information about a selected information layer require the presence of a unique key or password in said signal and the generating means are adapted to generate a signal comprising said key or password.